Release Notes for operating system and StorView* version 3.07.0012 enclosure management software installation on Red Hat* Enterprise Linux 4, Update 4 Advanced Server, 32 and 64 bit.

This procedure is applicable for Intel® Storage Server SSR212MC2RBR and SSR212MC2BR.

Contents of the package: storview-3.07.0012-jbi-rhel3-32-en.tar

The release note is divided into 4 sections:

SECTION 1: OS Installation
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SECTION 1: OS Installation
> Note: SV is developed for 32 bit environment and works on 64 bit in emulation mode. On RHEL4-64 bit, 32bit Linux environment must be installed. Once you have Linux 32 bit environment, the command for installing SV is : (from the path of the directory where SV gz file is extracted):
>
> Linux32 ./StorViewInstall -override

Prerequisite:
1) USB DVDrom or CD ROM Drive
2) USB floppy drive
3) RHEL4_U4_AS 32BIT CD media
4) Intel® RAID Controller SRCSAS144E driver for Red Hat Linux* update 4.

Driver notes :
The drivers are available on Intel's support site at www.support.intel.com
Download the file : ESRT2_Linux_v.06.28.1110.2006.zip or newer

Installation Procedure :
This procedure is followed when user needs to install the Operating system on a fresh Server RAID device (Onboard Motherboard Raid). For this kind of installation driver update disc is used at the starting of the installation and the installer will update the system with MegaSR driver images for the required kernels.

1) Create a RAID array (Raid 1) using the Intel® Embedded Server RAID BIOS Console (Ctrl+E).
2) Boot the system using RHEL4AS 32BIT media (DVD/CD) with linux dd command at the boot option.
3) Insert RAID controller driver in the USB Floppy drive.
4) During install process
   a) Select manual installation process.
   b) Create the required partitions.
   c) During the installation process select No Firewall and disable SELinux.
   d) Insert the CDs when prompted.
5) Reboot the system once the installation is completed.

SECTION 2: StorView* Installation

Part A: JAVA* Installation
Part B: Storview Installation.

Part A: Java Installation
1) Download JRE from http://www.java.com, *jre_1_5_0_10_linux_i586.rpm.bin or newer*
2) *# linux32 ./jre_1_5_0_1*_linux_i586.rpm.bin*
3) *# cd /usr/lib/firefox/plugins*
4) *# ln –s /usr/java/jre1.5.0_1*/plugin/i386/ns7/libjavaplugin_oji.so*
5) *# ls –al ; should show the new linked library file*
6) *# ldconfig*
7) *Preferable to use a newer version of firefox than the one ships with OS.*
8) *Follow this page for more updated info on java.com site -* **Linux download and installation instruction for the Java Runtime Environment (JRE)** *generally available at the following location -http://www.java.com/en/download/help/5000010500.xml#14*

Part B: Storview Installation:
Before installing Storview make sure you have setup your hostname properly.
hostname
cat /etc/hosts ; make sure the hostname entry is available here
1) download Storview from www.support.intel.com
2) *# tar –xzf storview-3.07.0012-jbi-sles8-32-en.tar.gz*
3) *# ./StorviewInstall*
4) You should get the message "Installation Complete- no errors detected"
5) *# ps –ef | grep –i Storview*

Notes :
1) Access StorView on the local browser
2) http://localhost:9292
3) If Storview is not running start if from *# /etc/rc.d/init.d/StorView start*.
reboot may be required if the storview UI does not come up and run *#ldconfig*.

SECTION 3: Known Issues

1. When using multiple ethernet connections, Storview connects via only one of these. If you disconnect the main cable you must then restart storview on the enclosure having first shut down the 2 storview services. If this port is disabled (through the system OS) or disconnected, Storview will not be able to start. The error message "Could not connect to service on 127.0.0.1, please ensure that the service is running and try it again" will be displayed. Note: if you disable the port through Storview, then Storview will be closed.
2. SSR212MC2R only - RAID card firmware can occasionally override user settings for drive LEDs. If you use storview to turn drive ident lights on and remove/replace a drive, RAID card can override your ident lights and may turn them off.
3. RAID card firmware can add warnings to the linux event logs about temperature differentials. These messages are erroneous and can be ignored safely.
4. Enclosure firmware upgrade is not supported if an external storage expansion unit is connected to the Intel SRCSAS1444e RAID card.
5. Inserting a second (redundant) PSU with no live AC attached has the PSU reported as OK rather than AC Power fault.
6. Changing Server Name from StorView, removes "localhost" from /etc/hosts file and causes problem in loading Storview on RedHat 4 platform.

SECTION 4: Fixed in this release

1. Chassis ident light is too dim to see.
2. Raw view decode misses of new vendor unique T10 in page 1 SES.
3. StorView displays incorrectly for Power Supplies when one is removed.
4. raw view p2 does not decode PSu at all or other elements fully
5. Storview settings should not show RAID function/option
6. A Java Swing exception occurred while pulling drives from an enclosure.
7. Missing drives were shown as present when drives were pulled out of the enclosure. The enclosure was also shown as having an erroneous fault.
8. login problems after changing the servername in Rhel4
9. System settings shows raid created on the controller SRCSAS144E. System settings must show only system drives and not the VD on the raid controller.

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